

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/541,257
Source: IFWP
Date Processed by STIC: 08/02/2006

ENTERED



IFWP

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/541,257

DATE: 08/02/2006

TIME: 09:08:27

Input Set : N:\RJAVED\10541257.txt

Output Set: N:\CRF4\08022006\J541257.raw

4 <110> APPLICANT: KOCHENDOERFER, GERD G.
 5 SHAO, HAIYAN
 6 CRESSMAN, SONYA
 8 <120> TITLE OF INVENTION: MULTIPLEX POLYMER LIGATION
 10 <130> FILE REFERENCE: GRFN-047
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/541,257
 C--> 12 <141> CURRENT FILING DATE: 2005-06-29
 12 <150> PRIOR APPLICATION NUMBER: 60/437,511
 13 <151> PRIOR FILING DATE: 2002-12-30
 15 <150> PRIOR APPLICATION NUMBER: 60/515,609
 16 <151> PRIOR FILING DATE: 2003-10-29
 18 <160> NUMBER OF SEQ ID NOS: 2
 20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 174
 24 <212> TYPE: PRT
 25 <213> ORGANISM: Artificial Sequence
 27 <220> FEATURE:
 28 <223> OTHER INFORMATION: synthetic granulocyte stimulating protein
 30 <220> FEATURE:
 31 <221> NAME/KEY: VARIANT
 32 <222> LOCATION: (58)...(58)
 33 <223> OTHER INFORMATION: Xaa = a non-native lysine chemically modified at the epsilon-amino group
 34 with an
 35 oxime linker group coupled to a designated water-soluble polymer through
 36 an oxime bond
 W--> 37 (or intermediates which contain AoA)
 39 <220> FEATURE:
 40 <221> NAME/KEY: VARIANT
 41 <222> LOCATION: (121)...(121)
 42 <223> OTHER INFORMATION: Xaa = Nle (norleucine)
 44 <220> FEATURE:
 45 <221> NAME/KEY: VARIANT
 46 <222> LOCATION: (126)...(126)
 47 <223> OTHER INFORMATION: Xaa = Nle (norleucine)
 49 <220> FEATURE:
 50 <221> NAME/KEY: VARIANT
 51 <222> LOCATION: (131)...(131)
 52 <223> OTHER INFORMATION: Xaa = psi (non-native amino acid residue
 53 consisting of a cysteine that is
 54 carboxamidemethylated at the sulphydryl group)
 56 <220> FEATURE:
 57 <221> NAME/KEY: VARIANT

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58 <222> LOCATION: (133)...(133)
 59 <223> OTHER INFORMATION: Xaa = a non-native lysine chemically modified at the epsilon-amino group
 60 with an
 61 oxime linker group coupled to a designated water-soluble polymer through
 62 an oxime bond
W--> 63 (or intermediates which contain AoA)
 65 <400> SEQUENCE: 1
 66 Thr Pro Leu Gly Pro Ala Ser Ser Leu Pro Gln Ser Phe Leu Leu Lys
 67 1 5 10 15
 68 Cys Leu Glu Gln Val Arg Lys Ile Gln Gly Asp Gly Ala Ala Leu Gln
 69 20 25 30
 70 Glu Lys Leu Cys Ala Thr Tyr Lys Leu Cys His Pro Glu Glu Leu Val
 71 35 40 45
W--> 72 Leu Leu Gly His Ser Leu Gly Ile Pro Xaa Ala Pro Leu Ser Ser Cys
 73 50 55 60
 74 Pro Ser Gln Ala Leu Gln Leu Ala Gly Cys Leu Ser Gln Leu His Ser
 75 65 70 75 80
 76 Gly Leu Phe Leu Tyr Gln Gly Leu Leu Gln Ala Leu Glu Gly Ile Ser
 77 85 90 95
 78 Pro Glu Leu Gly Pro Thr Leu Asp Thr Leu Gln Leu Asp Val Ala Asp
 79 100 105 110
 80 Phe Ala Thr Thr Ile Trp Gln Gln Xaa Glu Glu Leu Gly Xaa Ala Pro
 81 115 120 125
 82 Ala Leu Xaa Pro Xaa Gln Gly Ala Met Pro Ala Phe Ala Ser Ala Phe
 83 130 135 140
 84 Gln Arg Arg Ala Gly Gly Val Leu Val Ala Ser His Leu Gln Ser Phe
 85 145 150 155 160
 86 Leu Glu Val Ser Tyr Arg Val Leu Arg His Leu Ala Gln Pro
 87 165 170
 90 <210> SEQ ID NO: 2
 91 <211> LENGTH: 174
 92 <212> TYPE: PRT
 93 <213> ORGANISM: Artificial Sequence
 95 <220> FEATURE:
 96 <223> OTHER INFORMATION: synthetic granulocyte stimulating protein
 98 <220> FEATURE:
 99 <221> NAME/KEY: VARIANT
 100 <222> LOCATION: (17)...(17)
 101 <223> OTHER INFORMATION: Xaa = Abu (Aminobutyric acid)
 103 <220> FEATURE:
 104 <221> NAME/KEY: VARIANT
 105 <222> LOCATION: (58)...(58)
 106 <223> OTHER INFORMATION: Xaa = a non-native lysine chemically modified at the epsilon-amino group
 107 with an
 108 oxime linker group coupled to a designated water-soluble polymer through
 109 an oxime bond
W--> 110 (or intermediates which contain AoA)
 112 <220> FEATURE:
 113 <221> NAME/KEY: VARIANT

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114 <222> LOCATION: (121)...(121)
 115 <223> OTHER INFORMATION: Xaa = Nle (norleucine)
 117 <220> FEATURE:
 118 <221> NAME/KEY: VARIANT
 119 <222> LOCATION: (126)...(126)
 120 <223> OTHER INFORMATION: Xaa = Nle (norleucine)
 122 <220> FEATURE:
 123 <221> NAME/KEY: VARIANT
 124 <222> LOCATION: (131)...(131)
 125 <223> OTHER INFORMATION: Xaa = psi (non-native amino acid residue
 126 consisting of a cysteine that is
 127 carboxamidemethylated at the sulphydryl group)
 129 <220> FEATURE:
 130 <221> NAME/KEY: VARIANT
 131 <222> LOCATION: (133)...(133)
 132 <223> OTHER INFORMATION: Xaa = a non-native lysine chemically modified at the
 epsilon-amino group
 133 with an
 134 oxime linker group coupled to a designated water-soluble polymer through
 135 an oxime bond
 W--> 136 (or intermediates which contain AoA)
 138 <400> SEQUENCE: 2
 139 Thr Pro Leu Gly Pro Ala Ser Ser Leu Pro Gln Ser Phe Leu Leu Lys
 140 1 5 10 15
 W--> 141 Xaa Leu Glu Gln Val Arg Lys Ile Gln Gly Asp Gly Ala Ala Leu Gln
 142 20 25 30
 143 Glu Lys Leu Cys Ala Thr Tyr Lys Leu Cys His Pro Glu Glu Leu Val
 144 35 40 45
 145 Leu Leu Gly His Ser Leu Gly Ile Pro Xaa Ala Pro Leu Ser Ser Cys
 146 50 55 60
 147 Pro Ser Gln Ala Leu Gln Leu Ala Gly Cys Leu Ser Gln Leu His Ser
 148 65 70 75 80
 149 Gly Leu Phe Leu Tyr Gln Gly Leu Leu Gln Ala Leu Glu Gly Ile Ser
 150 85 90 95
 151 Pro Glu Leu Gly Pro Thr Leu Asp Thr Leu Gln Leu Asp Val Ala Asp
 152 100 105 110
 153 Phe Ala Thr Thr Ile Trp Gln Gln Xaa Glu Glu Leu Gly Xaa Ala Pro
 154 115 120 125
 155 Ala Leu Xaa Pro Xaa Gln Gly Ala Met Pro Ala Phe Ala Ser Ala Phe
 156 130 135 140
 157 Gln Arg Arg Ala Gly Gly Val Leu Val Ala Ser His Leu Gln Ser Phe
 158 145 150 155 160
 159 Leu Glu Val Ser Tyr Arg Val Leu Arg His Leu Ala Gln Pro
 160 165 170

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 08/02/2006
PATENT APPLICATION: US/10/541,257 TIME: 09:08:28

Input Set : N:\RJAVED\10541257.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 58,121,126,131,133
Seq#:2; Xaa Pos. 17,58,121,126,131,133

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Input Set : N:\RJAVED\10541257.txt
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L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:37 M:259 W: Allowed number of lines exceeded, <223> Other Information:
L:63 M:259 W: Allowed number of lines exceeded, <223> Other Information:
L:72 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:48
M:341 Repeated in SeqNo=1
L:110 M:259 W: Allowed number of lines exceeded, <223> Other Information:
L:136 M:259 W: Allowed number of lines exceeded, <223> Other Information:
L:141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:16
M:341 Repeated in SeqNo=2